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# SuperSorb® C

Water Absorbant • Coarse Particle

Material Safety Data Sheet      Date Prepared: September 29, 2000      Supersedes Date: August 20, 1999

## 1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

AQUATROLS CORPORATION OF AMERICA

5 NORTH OLNEY AVENUE

CHERRY HILL, NJ 08003

USA

### Emergency Phone Numbers:

For emergencies involving a spill, leak, fire, exposure or accident, contact CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls).

For Product Information: 1-856-751-0309 or [www.aquatrols.com](http://www.aquatrols.com)

Chemical Name or Synonym: Cross-linked acrylamide potassium acrylate copolymer

C.A.S. Number: 31212-13-2

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### \*\*Exposure Limits\*\*

<u>Component</u>	<u>CAS Reg Number</u>	<u>Weight%</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>
Acrylamide potassium acrylate copolymer, (crosslinked)	31212-13-2	100	Not established	Not established

## 3. HAZARDS IDENTIFICATION

### A. Emergency Overview:

Physical Appearance and Odor: White free-flowing granules, odorless.

Warning Statements: CAUTION: May cause irritation!

Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

**B. Potential Health Effects: Primary Route of Entry:** Inhalation.

**Signs and Symptoms of Overexposure:** Possible reddening, drying of skin or eyes with itching, burning, or other discomfort; irritation of nose and throat.

**Effects of Overexposure:**

<b>Acute Eye:</b>	May result in temporary irritation.
<b>Acute Skin:</b>	Prolonged or repeated skin contact may result in slight, temporary irritation.
<b>Acute Inhalation:</b>	Dust that may be released in handling may cause symptoms typical of nuisance dusts, including coughing, sneezing and minor upper-respiratory tract irritation. The ACGIH eight-hour Threshold Limit Value (TLV) for inhalable nuisance dust is 10 mg/m <sup>3</sup> .
<b>Acute Ingestion:</b>	Product is not considered harmful by ingestion. However, ingestion of large amounts may result in diarrhea and weakness.
<b>Chronic Effects:</b>	This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as "probable" or "suspected" human carcinogens.

#### **4. FIRST AID MEASURE**

**Eye Contact:** DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.

**Skin Contact:** Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persist, seek medical attention as needed.

**If Swallowed:** If ingested, give conscious victim syrup of ipecac or similar emetic to induce vomiting. Seek medical attention.

**Inhalation:** Move individual to fresh air and check to assure adequate respiration. Seek medical attention if necessary.

**Medical Conditions Possibly Aggravated by Exposure:** May aggravate existing respiratory conditions; skin contact may aggravate existing skin conditions due to drying effect.

**Notes to Physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

#### **5. FIRE FIGHTING MEASURES**

**FIRE HAZARD DATA:**

**Flash Point:** None

**Flammability Limits (vol/vol%):** Lower: Not established Upper: Not established

**Extinguishing Media:** Use water spray, dry chemical, or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire and Explosion Hazards:** Extremely slippery conditions are created if spilled product comes in contact with water.

**Hazardous Decomposition Materials (Under Fire Conditions):** Oxides of carbon, nitrogen and hydrogen.

## 6. ACCIDENTAL RELEASE MEASURES

**Evacuation Procedures and Safety:** See personal protection information in Section 8.

**Containment of Spill:** Follow procedures described below.

**Cleanup and Disposal of Spill:** Sweep up, and shovel product directly into recovery drums. Avoid contact with water as extremely slippery conditions will result. Residuals are to be flushed thoroughly with water to the drain for normal wastewater treatment.

## 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperature:** Not established.

**Handling:** Avoid direct or prolonged contact with eyes and skin. Avoid breathing dusts and particulates. Excessive handling of empty packaging may result in unnecessary release of airborne particulates. Use non-sparking tools and grounded/bonded equipment and containers when transferring.

**Storage:** Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials. See Section 10 for Stability and Reactivity information.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Introductory Remarks:</b>	These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.
<b>Exposure Guidelines:</b>	No exposure limits have been determined for this product.
<b>Engineering Controls:</b>	Use in the presence of adequate ventilation.
<b>Respiratory Protection:</b>	Not generally required, however, when work conditions are

	such that dusts or particulates may be generated or present, use a suitable NIOSH/MSHA approved high efficiency particulate air (HEPA) filter. (A disposable, extended-medium, dry-type filter with a particle removal efficiency of no less than 99.97% for 0.3 micro-meter particles). Under normal conditions with adequate ventilation, no protection is necessary.
<b>Eye/Face Protection:</b>	Wear appropriate protective safety goggles/glasses as described in ANSI standard Z87.1. An available eyewash station is recommended.
<b>Skin Protection:</b>	Skin contact should be minimized through use of appropriate clothing and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance. USDA accepted Nitrile (CFR-20) or neoprene rubber (CFR-21) gloves are recommended.
<b>Work Practice Controls</b>	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

<b>Physical Appearance:</b>	White granules, which swell on contact with water into clear jelly-like particles.
<b>Odor:</b>	Odorless
<b>pH:</b>	Not established
<b>Bulk Density:</b>	0.4 – 0.7 g/cc
<b>Water Solubility:</b>	Insoluble, but absorbs water on contact.
<b>Melting Point Range:</b>	Greater than 390°F
<b>Freezing Point Range:</b>	Not established
<b>Boiling Point Range:</b>	Solid
<b>Vapor Pressure:</b>	Less than 10 mm Hg
<b>Vapor Density:</b>	Not Established

<b>Evaporation Rate:</b>	Less than 1 (Butyl Acetate = 1)
<b>Viscosity:</b>	N/A
<b>Weight Per gallon:</b>	N/A

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions to be Avoided:** None known.

**Materials/Chemical to be Avoided:** None known.

**The following Hazardous Decomposition Products might be Expected:**

<b>Decomposition Type:</b> Thermal	Oxides of carbon, nitrogen and hydrogen.
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**Hazardous Polymerization:** Will not occur.

**Avoid the Following to Inhibit Hazardous Polymerization:** N/A

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:**  
**Toxicological Information and Interpretation:** No data available

**Acute Skin Irritation:**  
**Toxicological Information and Interpretation:** No data available.

**Acute Dermal Toxicity:**  
**Toxicological Information and Interpretation:** No data available.

**Acute Respiratory Irritation:**  
**Toxicological Information and Interpretation:** No data available.

**Acute Inhalation Toxicity:**  
**Toxicological Information and Interpretation:** No data available.

**Acute Oral Toxicity:**  
**Toxicological Information and Interpretation:** LD<sub>50</sub> > 5000 mg/kg male mice. This product is non-toxic and non-hazardous.

**Chronic Toxicity:**  
**Toxicological Information and Interpretation:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" carcinogens. Chronic inhalation exposure to rats for a lifetime (two years) using a sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and lung injury at 0.2 mg/m<sup>3</sup> and 0.8 mg/m<sup>3</sup>. At 0.8 mg/m<sup>3</sup>, tumors were seen in some animals. In the absence of chronic inflammation, tumors are not

expected. There were no adverse effects of any kind at 0.05 mg/m<sup>3</sup>. Sodium polyacrylate had no effect in mutagenicity tests.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Information:** No data available

**Environmental Fate Information:** No data available

**Chemical/Physical Information:** No data available

**Waste Disposal Method:** This product should not be allowed to enter waterways. Dispose of wastes in a manner consistent with federal, state, and local regulations.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

## 14. TRANSPORTATION INFORMATION

**US Department of Transportation Shipping Classification:** Cleaning compound NOI

## 15. REGULATORY INFORMATION

### Inventory Status:

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	Y
AUSTRALIA (AICS)	Y
JAPAN (MITI)	N
SOUTH KOREA (KECL)	N

**Y:** All ingredients are on the inventory.

**E:** All ingredients are on the inventory or exempt from listing.

**P:** One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

**N:** Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

### FEDERAL REGULATIONS:

**Inventory Issues:** See above.

**SARA Title III Hazard Classes:**

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO

**OTHER FEDERAL REGULATIONS:**

**FDA Status:** N/A

**FIFRA Status:** N/A

**STATE REGULATIONS:**

**California Proposition 65:** This product may contain a trace amount (<300 ppm) of acrylamide (CAS# 79-06-1), listed in accordance with regulations specified in California Proposition 65.

Acrylamide is rated by ACGIH as an A3 carcinogen, with an allowable 8-hour time weighted average (TWA) daily exposure level of 0.03 mg/m<sup>3</sup>. The definition of an A3 carcinogen is:

*Animal Carcinogen:* The agent is carcinogenic in experimental animals at dose levels, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that are not considered relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence suggests that the agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

**16. OTHER INFORMATION**

**National Fire Protection Association Hazard Ratings – NFPA (R):**

- 1 Health Hazard Rating - - Slight
- 1 Flammability Rating -- Slight
- 0 Reactivity Rating-- Minimal

**National Paint and Coating Hazardous Materials Identification System - HMIS(R):**

- 1 Health Hazard Rating - - Slight
- 1 Flammability Rating -- Slight
- 0 Reactivity Rating-- Minimal

**Reason for Revisions:** Updated product information.

**Key Legend Information:**

ACGIH      American Conference of Governmental Industrial Hygienists



OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short-Term Exposure Limit
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
ND	Not determined

**Disclaimer:**

While the information and recommendations set forth herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon.

**End of MSDS Document****[LabelsMSDS/footer info.htm]**